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PART B - FEE(S) TRANSMITTAL**

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Commissioner for Patents  
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(703) 746-4000**

JUN 10 2004

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where applicable and further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590                  04/05/2004

Clifford W. Browning  
Woodard, Emhardt, Naughton, Moriarty & McNett  
Bank One Center/Tower  
111 Monument Circle, Suite 3700  
Indianapolis, IN 46204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

<i>Clifford W. Browning</i>	(Depositor's name)
<i>Clifford W. Browning</i>	(Signature)
<i>June 8, 2004</i>	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/918,115	07/30/2001	Michael Graetzel	16090-23	2594

TITLE OF INVENTION: SOLID STATE HETEROJUNCTION AND SOLID STATE SENSITIZED PHOTOVOLTAIC CELL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/06/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
HU, SHOUXIANG	2811	257-461000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**
2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1. Clifford W. Browning  
 2. WOODARD, EMHARDT, MORIARTY  
 3. MCNETT & HENRY LLP  
 4. PATENT AND TRADEMARK ATTORNEYS  
 5. BANK ONE CENTER TOWER  
 6. 111 MONUMENT CIRCLE, SUITE 3700  
 INDIANAPOLIS, INDIANA 46204-5137

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ecole Polytechnique Federale  
de Lausanne

Lausanne, Switzerland

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

Issue Fee  
 Publication Fee  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 23-3030 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)	(Date)
<i>Clifford W. Browning</i>	<u>6/8/04</u>

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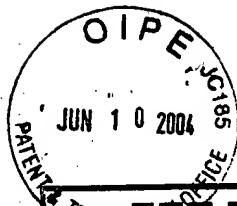
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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06/14/2004 YPOLITE2 0000005 09918115

01 FC:1501	1330.00 OP
02 FC:1504	300.00 OP

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WEMMH/SB/57 (12/03)  
Approved for use through 10/31/2002. OMB 0651-0032  
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# TRADEMAKES FEE TRANSMITTAL FOR FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Total Amount of Payment (\$)

1630.00

Complete if Known

Application Number	09/918115
Filing Date	07/30/2001
First Named Inventor	Michael Gratzel
Group Art Unit	281
Examiner Name	Hu, Shouxiang
Attorney Docket Number	16090-23

## METHOD OF PAYMENT

Check  Credit card  Money Order  Other  None

### Deposit Account:

Deposit Account Number 23-3030

Deposit Account Name Woodard, Emhardt, Moriarty, McNett & Henry LLP

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments
- Charge any additional fee(s) during the pendency of this application, excluding the payment of issue fees
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code	Entity Fee (\$)	Small Entity Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility Filing Fee	
1002	340	2002	170	Design Filing Fee	
1003	530	2003	265	Plant Filing Fee	
1004	770	2004	385	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	
SUBTOTAL (1) (\$)					1330

### 2. EXTRA CLAIM FEES

Total Claims	-20** =	Extra Claims	Fee From Below	Fee Paid
Independent Claims	-3** =			
Multiple Dependent				

Large Entity	Small Entity	Fee Description
Fee Code	Fee Code	Fee
1202	18	2202 9
		Claims in excess of 20
1201	86	2201 43
1203	290	2203 145
1204	86	2204 43
1205	18	2205 9
SUBTOTAL (2) (\$)		**Reissue independent claims over original patent **Reissue claims in excess of 20 and over original patent

### 3. ADDITIONAL FEES

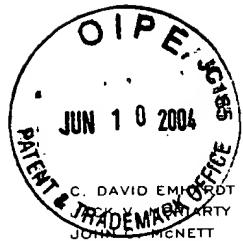
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee	
1051	130	2051 65	Surcharge – late filing fee or oath
1052	50	2052 25	Surcharge – late provisional filing fee or cover sheet.
1053	130	1053 130	Non-English specification
1812	2,520	1812 2,520	For filing a request for ex parte reexamination
1804	920*	1804 920*	Requesting publication of SIR prior to Examiner's Action
1805	1,840*	1805 1,840*	Requesting publication of SIR after Examiner's Action
1251	110	2251 55	Extension for reply within first month
1252	420	2252 210	Extension for reply within second month
1253	950	2253 475	Extension for reply within third month
1254	1,480	2254 740	Extension for reply within fourth month
1255	2,010	2255 1,005	Extension for reply within fifth month
1401	330	2401 165	Notice of Appeal
1402	330	2402 165	Filing a brief in support of an appeal
1403	290	2403 145	Request for oral hearing
1451	1,510	1451 1,510	Petition to institute a public use proceeding
1452	110	2452 55	Petition to revive – unavoidable
1453	1,330	2453 665	Petition to revive – unintentional
1501	1,330	2501 665	Utility issue fee (or reissue)
SUBTOTAL (1) (\$)			1330
SUBTOTAL (2) (\$)			300
SUBTOTAL (3) (\$)			1630.00

\*\*or number previously paid, if greater. For Reissues, see above

Complete if applicable

SUBMITTED BY Name (Print/Type)	Clifford W. Browning	Registration No. (Attorney/Agent)	32,201	Telephone	(317) 634-3456	
Signature	<i>Clifford W. Browning</i>				Date	June 8, 2004

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# WOODARD, EMHARDT, MORIARTY, MCNETT & HENRY LLP

C. DAVID EMHARDT  
JOHNSON MCNETT  
THOMAS O. HENRY  
JAMES M. DURLACHER  
CHARLES R. REEVES  
VINCENT O. WAGNER  
STEVE ZLATOS  
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CHARLES J. MEYER  
MATTHEW R. SCHANTZ  
GREGORY B. COY  
LISA A. HIDAY  
JOHN V. DANILUCK  
CHRISTOPHER A. BROWN  
ARTHUR J. USHER IV

PATENT AND TRADEMARK ATTORNEYS  
BANK ONE CENTER/TOWER  
111 MONUMENT CIRCLE, SUITE 3700  
INDIANAPOLIS, INDIANA 46204-5137  
(317) 634-3456  
FAX (317) 637-7561  
[www.uspatent.com](http://www.uspatent.com)

DOUGLAS A. COLLIER  
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JOHN J. EMANUELE  
MICHAEL S. WHERRY  
ELIZABETH A. SHUSTER

JOSEPH A. NAUGHTON  
SENIOR COUNSEL

SCOTT J. STEVENS  
EDWARD E. SOWERS  
MICHAEL C. BARTOL  
OF COUNSEL

CHARLES P. JACOBS  
(1837-1892)  
VIRGIL H. LOCKWOOD  
(1890-1932),  
RALPH G. LOCKWOOD  
(1880-1957),  
HAROLD R. WOODARD  
(1911-2003)

June 8, 2004

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The enclosed PTO-2038 form authorizes the issue fee and publication fee payments in the amount and manner set forth below to be charged to American Express Card No. [REDACTED] 1292. Please charge any additional fees which may be due or credit any overpayments to deposit account No. 23-3030.

1. Issue fee due on Michael Graetzel application, Ser. No. 918,115 entitled SOLID STATE HETEROJUNCTION AND SOLID STATE SENSITIZED PHOTOVOLTAIC CELL - see attached sheet.

\$ 1330.00

2. Publication fee due on patent serial No. 918,115 - see attached sheet

300.00

TOTAL BALANCE TO BE PAID:

\$ 1630.00

Sincerely,

  
Kari K. Woehler

lds  
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Clifford W. Browning

Name of Registered Representative

Signature

June 8, 2004

Date of Signature